EXHIBIT 4

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Page 1
         UNITED STATES DISTRICT COURT
1
       IN AND FOR THE DISTRICT OF WYOMING
2
3 STEPHANIE WADSWORTH,
  individually and as
4 Parent and Legal
                          CASE NO.
  Guardian of W.W., K.W.,
                         ) 2:23-cv-00118-NDF
5 G.W., and L.W., minor
  children, and MATTHEW
6 WADSWORTH,
      Plaintiffs,
7
8 v.
9 WALMART, INC. and JETSON )
  ELECTRIC BIKES, LLC,
10
     Defendants.
                      )
11
12
             ORAL DEPOSITION OF
13
14
           DEREK A. KING, M.S., P.E.
           MONDAY, AUGUST 19, 2024
15
16
17
18
19
20
21
22 REPORTED BY:
23 DEBRA A. DIBBLE, FAPR, RDR, CRR, CRC, Notary Public
24 California CSR 14345
25 JOB NO. 44990
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Page 20 1 job during -- was it your last year of school?

- 2 A. Yeah.
- 3 Q. And then once you graduated from
- 4 UC Berkeley, that's when you went to work for BEAR?
- 5 A. Yes.
- 6 Q. Was that job at BEAR, was -- did you have

7 any jobs in between BEAR and the time you graduated

- 8 UC Berkeley?
- 9 A. No.
- 10 Q. So it sounds like, for all intents and
- 11 purposes, for your professional career, it has
- 12 always been at BEAR?
- 13 A. Yes.
- 14 Q. Have you ever -- or strike that.
- 15 You haven't ever worked for a company
- 16 that designs or manufactures lithium-ion battery
- 17 products, correct?
- 18 A. Correct.
- 19 Q. And you have never personally designed or
- 20 manufactured a lithium-ion battery product, correct?
- 21 A. Correct.
- 22 Q. And you have never been involved in the
- 23 design or manufacture of a lithium-ion battery pack,
- 24 correct?
- 25 A. Correct.

- 1 A. I think he was the first one on scene, if
- 2 I remember correctly.
- 3 Q. He was the good samaritan that assisted
- 4 in getting the Wadsworth family out of the house.
- 5 You're not aware of any statements he
- 6 would have said on that body camera footage about
- 7 where he first saw fire, correct?
- 8 A. Correct.
- 9 Q. Do you know what UL codes are applicable
- 10 to the design and manufacture of this hoverboard?
- 11 A. I believe there's the UL -- I want to say
- 12 2722, if I remember the number correctly.
- 13 Q. You were close. It's UL 2272.
- 14 A. 2272. Okay.
- 15 Q. Any other UL codes that you are aware of
- 16 that would apply to the design or manufacture of
- 17 this hoverboard?
- 18 A. I know there's another one that deals
- 19 with lithium-ion batteries. I don't recall the
- 20 number offhand.
- 21 Q. Okay.
- 22 A. Yeah.
- 23 Q. Do you know what the -- so you don't know
- 24 what the UL code is that applies to the specific
- 25 lithium-ion battery cells, correct?

1 A. Correct. Not offhand.	Page 51
2 Q. And in this case, it's your opinion that	
3 two of the two of the ten battery cells that were	
4 in this battery pack experienced an internal short	
5 circuit with thermal runaway. Correct?	
6 A. Yes.	
7 Q. And you've identified those in your	
8 report as cells 4 and 10?	
9 A. Yes.	
10 Q. So you believe that it is a an issue	
11 with the lithium-ion battery cells, for cell 4 and	
12 10, that caused this fire? At least that's your	
13 opinion in this case, correct?	
14 A. Yes.	
15 Q. But you don't know what UL code applies	
16 to these specific lithium-ion battery cells?	
17 A. I don't recall the number.	
18 Q. Do you know if the lithium-ion battery	
19 cells in this hoverboard were UL listed?	
20 A. I did not check that, so I don't know.	
21 (King Deposition Exhibit 72 marked.)	
22 BY MR. LAFLAMME:	
23 Q. We'll mark as Exhibit 72, this is a copy	
24 of a PowerPoint presentation that you went	
25 through or at least put together, correct?	

Page 65 1 here it shows the battery cell from an exemplar 2 Plasma unit, correct? Yes. 3 Α. Ο. And how is it that you obtained the 5 exemplar Plasma unit? 6 Α. I purchased. Ο. From where? Α. eBay. When did you purchase the exemplar Ο. 10 Plasma? Α. Should be a few months ago. I don't 11 12 remember exactly. Had you purchased the exemplar Plasma 13 0. 14 before the lab inspection that we were at at your 15 place in February? Α. 16 No. Did you do anything to determine who the 17 Ο. 18 manufacturer was of the battery cell for the Plasma 19 unit? 20 Α. No. My understanding is JDDL is the name 21 of a manufacturer, but beyond that... Q. Do you know which manufacturer name that 22 23 is? 24 Α. No.

Q. Have you seen any of the document

Page 66 1 productions that Jetson has made in this case? I don't believe so.

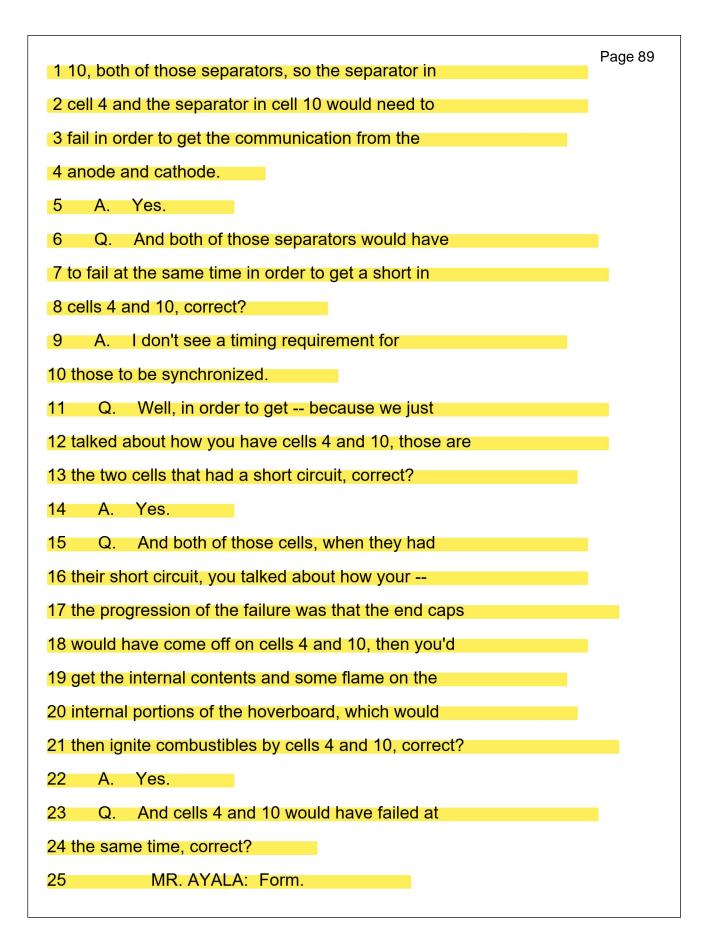
- 3 You haven't seen any of the UL test
- 4 reports or certification records in this case?
- A. I have not.
- We'll mark this as 74. 6 Q.
- (King Deposition Exhibit 74 marked.) 7
- 8 BY MR. LAFLAMME:
- Handing you what's been marked as Q.
- 10 Exhibit 74, which is a Bates document that starts
- 11 with JETSON 311.
- 12 Do you see that in the lower right-hand
- 13 corner?
- 14 Α. Yes.
- 15 Q. And you have not seen this before,
- 16 correct?
- 17 Α. Correct.
- 18 If you go to the second page of this Q.
- 19 document, there's a description of this battery.
- 20 And you can see the model number is INR, all
- 21 capitalized, 18650P.
- 22 Do you see that?
- A. Yes. 23
- And that's the same model number on this 24 Q.
- 25 battery cell, correct?

Page 69 1 Do you know if a short-circuit test was 2 done as part of the UL certification and test 3 process? Α. I believe so, yes. Q. And now in looking at this document, you 6 are aware that UL 2580 is the standard that applies 7 to battery cells, lithium-ion battery cells, 8 correct? A. Yes. 10 Q. You did not know that prior to looking at 11 this document, correct? A. I did not recall the document number, the 13 UL number. Did you consult with UL 2580 at all in 15 your analysis in this case? 16 No. Α. And you don't reference UL 2580 at all in 17 18 your report, correct? 19 Α. Correct. Are you aware of a recall that Jetson had 20 Q. 21 on a different hoverboard model? 22 Α. Yes. What is your awareness of that? 23 Q. 24 Α. I believe it was the Rogue model, model 25 name. I -- if I recall correctly, it was related to

Page 70 1 possible -- a possible fire hazard. 2 Q. Okay. 3 Α. But that's the extent of my recollection. So it sounds like your knowledge of the Q. 5 recall on the Rogue model is more general as opposed 6 to any in-depth analysis that you've done on that 7 issue. Α. Correct. Do you even know what type of battery Q. 10 cells the Rogue model had compared to the Plasma? No. 11 Α. Q. You are aware from reviewing Mr. Husain's 13 deposition testimony from Jetson that the battery 14 cells were from a different manufacturer? That sounds familiar, him saying so. 15 So the battery manufacturer that we have 16 17 for the Plasma model is --18 MR. LAFLAMME: I'm just going to let you type that. 19 20 BY MR. LAFLAMME: 21 Q. -- Jiangxi Jiuding Power. 22 MR. LAFLAMME: And that's probably good enough. 23 24 BY MR. LAFLAMME: I'm going to try to say this 25

Page 71 1 phonetically. Is -- actually, I'm not even going to 2 try to say it. 3 The battery manufacturer is listed on the 4 first page of Exhibit 74, correct? A. Yes. 5 And you don't know whether that's the 7 same battery manufacturer for the lithium-ion 8 battery cell that was involved in the Rogue model, 9 correct? 10 A. Correct. 11 And you did not do anything to assess 12 that issue? 13 Α. Correct. 14 Q. All right. Going to page 8. Of which? 15 Α. Oh, I'm sorry. Of your PowerPoint, which 16 17 is Exhibit 72. All right. 18 Looking at page 8 of Exhibit 72, this is 19 what appears to be just a comparison from the 20 exemplar compared to the subject unit, correct? 21 Α. Yes. 22 Q. And then if we go to page 9 of your 23 PowerPoint, this is when you remove the exemplar 24 battery pack, correct? 25 A. Yes.

Page 88 1 circuit, we talked about how the anode and cathode 2 need to communicate, correct? 3 Α. Yes. And the -- in between the anode and 4 Q. 5 cathode within an 18650 cell is a separator, 6 correct? 7 Α. Yes. Q. And what is the separator made out of? 8 9 It's typically a polymer, a porous Α. 10 polymer. Q. So in order for the short circuit to 12 occur in cells 4 and 10, you need to have a failure 13 of the separator, correct? 14 A. Yes. 15 If the separator doesn't fail, then there 16 is no way for a short circuit to occur, correct? 17 Α. That's right. And the separator is -- it's independent 18 19 to each cell, correct? Each cell has its own separator. 20 Right. So -- I guess what I'm getting at 21 Q. 22 is, so each of the ten cells has its own separator 23 between the anode and cathode, correct? 24 A. Yes. So in order to get a short at cells 4 and 25



Page 90 Approximately, yeah. 2 BY MR. LAFLAMME: So in order to get the cells 4 and 10 to 4 short circuit, both of their separators would have 5 had to fail at approximately the same time, correct? Yes. Α. Q. Have you ever had any other hoverboard 8 cases where you believe there was a short circuit in 9 two different cells at approximately the same time? 10 I have not personally had any other 11 hoverboard cases. Okay. How about any other lithium-ion 13 battery cases, any others that you can identify 14 where you believe the -- two of -- at least two of 15 the battery cells within the battery pack failed at 16 approximately the same time due to a short circuit? 17 A. Not -- nothing comes to mind. 18 Okay. If you could pull out your Q. 19 PowerPoint again, and go to the page of the CT scan. 20 Were you able to -- was there any arcing 21 that was found on any wires within the hoverboard? 22 A. Not that I observed. 23 Was there any arcing -- or are you aware 24 of any arcing that was found on any wires related to 25 the Wadsworth house at the site?

1 A. I thought someone mentioned a possible	Page 91
2 arc outside. I'm not certain that	
3 Q. So you are aware that there has at least	
4 been some discussions about some arcing that may	
5 have been found on some wires outside of the	
6 residence?	
7 A. Yes, at least some discussion of that	
8 possibility.	
9 Q. Do you know where that arcing was	
10 located?	
11 A. Somewhere related to the shed, the	
12 smoking shed.	
13 Q. So you are aware at least of at least	
14 some discussion about some arcing that was	
15 identified at the smoking shed outside of the	
16 residence, correct?	
17 A. Yes.	
18 Q. Are you aware of any arcing that was	
19 identified inside the residence, the internal house	
20 wiring?	
21 A. No, I'm not.	
Q. And this hoverboard was located just in	
23 front of an electrical outlet, correct?	
24 A. I believe so, yes.	
25 Q. And you're not aware of any arcing that	

- 1 was located on that electrical outlet or the
- 2 associated wires, correct?
- 3 A. I'm not aware of any.
- 4 Q. And arcing within a fire occurs when an 5 electrical line is hit by flames or high heat and it 6 is energized, correct?
- 7 A. Yeah. If the insulation between the8 electrified lines goes away and they contact each9 other, then you can get an arc.
- 10 Q. And one of the tenets -- or one of the
 11 necessities in order to have an arc to occur on an
 12 electrical wire is that it needs to be energized,
 13 correct?
- 14 A. Yes.
- 15 Q. Do you know where the electrical service
- 16 came into the house at the Wadsworth residence?
- 17 A. No.
- 18 Q. And do you know where the electrical
- 19 service came into the house in relation to where the
- 20 smoking shed was located?
- 21 A. No.
- 22 Q. Have you seen any photographs of the
- 23 arcing that was identified at the smoking shed?
- 24 A. No.
- 25 Q. Looking at the CT scan that you have in

Page 124 1 BY MR. LAFLAMME: Just to be real clear, is there any 3 aspect of this hoverboard that you believe deviated 4 from UL 2272 standards? MR. AYALA: Form. No, other than I believe it's more likely 7 to be a source of fire, but... No, I haven't reviewed the design 9 documentation for this board. 10 BY MR. LAFLAMME: Q. You haven't reviewed the design 12 documentation or any of the UL test records for this 13 hoverboard, correct? A. Correct. 14 15 And you haven't reviewed any of the UL 16 test records for the battery cells in this 17 hoverboard, correct? Correct. 18 Α. On page 4 of your report, it goes through 19 Q. 20 materials reviewed, and those are all of the 21 materials that you had reviewed at the time of your 22 report, correct? 23 Α. Yes. 24 And then the only additional material Q. 25 that you've reviewed was skimming through Detective

- 1 lithium-ion battery case is this one?
- 2 A. Yes.
- 3 Q. And the only one in which you've ever sat
- 4 for a deposition related to a lithium-ion -- an
- 5 alleged lithium-ion battery fire is this case,
- 6 correct?
- 7 A. Yes.
- 8 Q. And the only case in which you've been
- 9 named as an expert, disclosed as an expert for a
- 10 lithium-ion battery case, involving an alleged fire
- 11 is this one?
- 12 A. Yes.
- 13 Q. You indicated that you considered the
- 14 possibility of the fire not starting at the
- 15 hoverboard as part of your investigation in this to
- 16 Attorney Ayala.
- 17 Do you recall that?
- 18 A. Yes.
- 19 Q. But then later, you said the scope of
- 20 your work was to only look at the hoverboard
- 21 evidence, correct?
- 22 A. Was to look at the hoverboard evidence to
- 23 see if it is consistent or not with internal -- with
- 24 being a fire origin.
- 25 Q. You have not done anything to assess

Page 190 1 whether the fire could have started at the smoking 2 shed, correct? 3 A. Correct. 4 And the only physical evidence that you Q. 5 have looked at is the hoverboard, correct? 6 Α. Yes. 7 Q. And you'll agree that lithium-ion battery 8 cells can fail when they are subject to an external 9 fire attack? Α. Yes. 10 11 Q. And you don't -- you haven't done any 12 assessment to determine how this fire may have moved 13 through the Wadsworth structure, correct? 14 A. Correct. 15 One of the things that you said is that 16 an internal short within a lithium-ion battery 17 should only affect that singular cell. 18 Do you recall that? 19 A. Yes. And in this case, you're saying that two 20 21 singular cells had a short circuit, correct? 22 Α. Yes. So at substantially the same time, two 23 24 different cells in two different parts of this 25 battery pack had a failure of the separators within

1 those individual cells, correct?	Page 191
2 A. Yes.	
3 Q. And they had a failure of the separator	
4 at substantially the same time to the extent that	
5 they both short-circuited at substantially the same	
6 time.	
7 That's your theory, correct?	
8 A. That's what it that's what it appears	
9 to be.	
10 Q. Have you ever had another case where two	
11 individual cells short-circuited at the same time?	
12 A. No.	
13 Q. That would be pretty unusual, wouldn't	
14 it?	
MR. AYALA: Form.	
16 A. It's unusual, so far.	
17 BY MR. LAFLAMME:	
18 Q. Meaning you have to have an individual	
19 failure within cell 4, at substantially the same	
20 time as you have an individual but completely	
21 separate failure at cell 10, correct?	
22 A. Yes.	
Q. That's what you're saying in this case.	
MR. AYALA: Form.	
He's said what he's saying.	

- 1 A. Yes. Yes. I believe it's a coincidence,
- 2 but that's what appears to have occurred.
- 3 BY MR. LAFLAMME:
- 4 Q. Have you done any research to determine
- 5 the percentage chance of that coincidence?
- 6 A. No.
- 7 MR. AYALA: Form.
- 8 BY MR. LAFLAMME:
- 9 Q. The individual cell itself, the
- 10 conditions that we see cells 4 and 10 in after the
- 11 fire, those conditions would have the same
- 12 appearance if it was an external fire attack as
- 13 well, correct?
- 14 A. Yes. For those individual cells, yes.
- 15 Q. Meaning when lithium-ion battery cells
- 16 fail in a fire due to a fire attack, the appearance
- 17 is similar to what we see the two cells that have
- 18 failed in this case.
- 19 A. Yes.
- 20 Q. You were asked if it's possible to have a
- 21 short -- an internal short with the cell -- or,
- 22 sorry, with the hoverboard not plugged in.
- 23 Do you recall that?
- 24 A. Yes.
- 25 Q. You'd agree with me that it's very

- 1 MR. AYALA: Form.
- 2 A. Yes, I believe there would be.
- 3 BY MR. LAFLAMME:
- 4 Q. Meaning if the hoverboard is plugged in,
- 5 while some of the wires may not be energized, there
- 6 would certainly be some internal wires that are
- 7 energized when it's plugged in?
- 8 A. Yes, the -- let's see. There would be,
- 9 at least from the charger port into probably the
- 10 DMS. And that's probably at a fairly low
- 11 energization, if the battery -- if it's fully
- 12 charged.
- 13 Q. That section of wiring, though, would
- 14 have power to it, correct, meaning it would be
- 15 energized?
- 16 A. Yes.
- 17 Q. And it would be energized to the extent
- 18 that had it been attacked by fire while plugged in,
- 19 you could see an arc in that area?
- 20 MR. AYALA: Form.
- 21 A. That -- that, I don't -- I don't know if
- 22 that's true offhand.
- 23 BY MR. LAFLAMME:
- 24 Q. Okay. Regardless, I think we agree,
- 25 there wasn't any arcing that was found on any of the

Page 196 1 internal wiring in the hoverboard, correct? Α. That's true. 3 Q. And there wasn't any arcing found on the 4 house wiring immediately adjacent to where the 5 hoverboard was located, correct? 6 Not that I read about. Α. Q. As an expert doing an investigation, you 8 agree that it's important to have as much 9 information as you can about the fire loss, correct? 10 A. Yes. 11 MR. AYALA: Form. A. In general, yes. 12 13 BY MR. LAFLAMME: Q. I mean, as an engineer, you want all the 15 information that's available, right? 16 A. Yes. Q. And you want to have the opportunity to 18 review all the information that's available during 19 your investigation. Yes. 20 21 Q. You don't want parts of the 22 investigation -- or parts of whatever information is 23 available to be hidden from you, correct? MR. AYALA: Form. 24 A. True. 25